

What is claimed is:

1. A color changing correction fluid comprising:
water;
a volatile base; and
5 a color changing pH indicator.
2. The color changing correction fluid of claim 1 wherein the
volatile base is selected from the group consisting of tri-ethylamine (TEA), 2-amino-
2-methyl-1-propanol (AMP), dimethylaminopropylamine (DMAPA), N,N-
10 dimethylethanolamine (DMEA), ammonia and mixtures thereof.
3. The color changing correction fluid of claim 1 wherein the
color changing pH indicator is selected from the group consisting of phenolphthalein,
thymophthalein, p-naphtholbenzein, 4-nitrophenol, 3-nitrophenol, o-cresolphthalein,
15 m-cresol red, thymol blue, m-cresol purple and mixtures thereof.
- 4 The color changing correction fluid of claim 1 further
comprising a film-forming polymer.
- 20 5. The color changing correction fluid of claim 4 wherein the
film-forming polymer selected from the group consisting of styrene acrylic latex,
acrylic latex, vinyl acetate ethylene latex and mixtures thereof.
6. The color changing correction fluid of claim 5 may further
25 comprise a coalescent aid.
7. The color changing correction fluid of claim 6 wherein the
coalescent aid is selected from the group consisting of dipropylene glycol dibenzoate,
isodecyl benzoate, ditridecyl phthalate, glycol ether and mixtures thereof.
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8. The color changing correction fluid of claim 1 further
comprising a titanium dioxide pigment and an extender pigment.

9. The color changing correction fluid of claim 8 wherein the extender pigment is selected from the group consisting of aluminum silicate, calcium carbonate, magnesium silicate, calcium silicate, potassium aluminum silicate and mixtures thereof.

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10. A color changing correction fluid comprising:
water;
a volatile acid; and
a color changing pH indicator.

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11. The color changing correction fluid of claim 10 wherein the volatile acid is selected from the group consisting of acetic acid, formic acid and mixtures thereof.

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12. The color changing correction fluid of claim 10 wherein the color changing pH indicator is selected from the group consisting of pentamethoxy red, methyl red, methyl yellow, phenolphthalein, thymolphthalein, p-naphtholbenzein, 4-nitrophenol, 3-nitrophenol, o-cresolphthalein, m-cresol red, thymol blue, m-cresol purple and mixtures thereof.

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13. The color changing correction fluid of claim 10 further comprising a film-forming polymer.

14. The color changing correction fluid of claim 13 wherein the film-forming polymer selected from the group consisting of styrene acrylate, styrene acrylic, acrylic, vinyl acetate ethylene polymers, vinylidene chloride and mixtures thereof.

15. The color changing correction fluid of claim 14 may further comprise a coalescent aid.

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16. The color changing correction fluid of claim 15 wherein the coalescent aid is selected from the group consisting of dipropylene glycol dibenzoate, isodecyl benzoate, ditridecyl phthalate, glycol ether and mixtures thereof.

5 17. The color changing correction fluid of claim 10 further comprising a titanium dioxide pigment and an extender pigment.

18. The color changing correction fluid of claim 17 wherein the extender pigment is selected from the group consisting of aluminum silicate, calcium
10 carbonate, magnesium silicate, calcium silicate, potassium aluminum silicate and mixtures thereof.

19. A method for correcting an error on a substrate, the method comprising:
15 covering the error with a coating of the color changing correction fluid of claim 1;

allowing the volatile base and water to evaporate thereby causing the color changing pH indicator of the fluid to change color as the fluid dries.

20 20. The method of claim 19 wherein the substrate is white the color changing correction fluid is white after drying but is a non-white color when liquid.

21. A method for correcting an error on a substrate, the method comprising:
25 covering the error with a coating of the color changing correction fluid of claim 10;

allowing the volatile acid and water to evaporate thereby causing the color changing pH indicator of the fluid to change color as the fluid dries.

30 22. The method of claim 21 wherein the substrate is white the color changing correction fluid is white after drying but is a non-white color when liquid.